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April 24, 2013

Via Federal Express

United States Environmental Protection Agency - East
Attn: TSCA Section 8(e) / Room 6428
1201 Constitution Avenue, NW
Washington, DC 20004



Subject: Notice in Accordance with TSCA Section 8(e): Results of a toxicity study with an agrochemical formulation on the growth of the aquatic plant *Lemna gibba*

Dear Section 8(e) Coordinator:

[REDACTED] is submitting results of an toxicity test with an agrochemical formulations consisting of two active ingredients: Ingredient One is a S-containing substituted heterocycle [REDACTED] and Ingredient Two is a N-containing substituted heterocycle [REDACTED] on the growth of the aquatic plant *Lemna gibba*, conducted by [REDACTED].

Content of active ingredients in the formulation:

N-containing substituted heterocycle:	125 g/L nominal
S-containing substituted heterocycle:	250 g/L nominal

The test was conducted in a static system over 7 days according to the OECD Guideline for Testing of Chemicals, No. 221 (March 2006): *Lemna sp.* Growth Inhibition Test.

The following initial mean measured concentrations were tested:
0, 27, 48, 86, 180, 343 and 709 µg/L based on the formulation.

All test solutions were visibly clear over the entire exposure period.

The test substance is an herbicidal formulation containing two active ingredients. Analyses of both active ingredients were performed.



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The following effect concentrations were obtained based on initial mean measured test concentrations:

Parameter	Endpoint	[µg/L]	95 %-confidence limits
Growth rate (frond number)	EC ₅₀ (7d)	216	191 - 245
	EC ₁₀ (7d)	44	32 - 55
Yield (frond number)	EC ₅₀ (7d)	93	81 - 108
	EC ₁₀ (7d)	31	22 - 39
Growth rate (dry weighth)	EC ₅₀ (7d)	147	126 - 171
	EC ₁₀ (7d)	39	27 - 51
Yield (dry weighth)	EC ₅₀ (7d)	76	65 - 90
	EC ₁₀ (7d)	23	15 - 30

Explanation:

EC_x is the (effective) concentration of the test item, which results in an X% reduction in growth relative to the control.

[REDACTED] understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note that a confidential version of this letter is enclosed, treating the chemical identity and company identity as Confidential Business Information.

A Confidentiality Substantiation Questionnaire is being submitted.

Sincerely,

Enclosures

ENCLOSURE